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Color-Word Interference Test Delis–Kaplan Executive Function System™ (D-KEFS)

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| Availability: | Please visit this website for more information about the instrument: Delis-Kaplan Executive Function System . |
| Classification: | Supplemental: Traumatic Brain Injury (TBI). |
| Short Description of Instrument: | <p>Examinee names color patches (Condition 1); reads words that denote colors printed in black ink (Condition 2); names the ink color in which color words are printed (Condition 3); switches back and forth between naming dissonant ink colors and reading the conflicting words (Condition 4).</p> <p>This is a subtest of the Delis-Kaplan Executive Function System (D-KEFS) which is the first nationally standardized set of tests to evaluate higher level cognitive functions in both children and adults.</p> |
| Rationale/Justification: | <p>Strengths/Weaknesses: The battery provides an updated normative sample for a number of classic neuropsychological tests of executive function and has been widely employed in research and clinical use.</p> <p>Tests like the CWIT (i.e., "Stroop" tests) have been used frequently in a wide range of patient groups thought to have executive function deficits.</p> |
| Scoring: | <p>Scoring is expressed in terms of the number of seconds required to complete each of the 4 conditions. Total uncorrected and total self-corrected errors are also recorded for each condition.</p> <p>Trained technician can administer. Neuropsychologist needs to interpret. Administration time is 7 - 10 minutes.</p> |
| References: | <p>Delis, D.C., Kramer, J.H., Kaplan, E., and Holdnack, J. (2004). Reliability and validity of the Delis-Kaplan Executive Function System: An update. <i>Journal of the International Neuropsychological Society</i> 10: 301-303</p> <p>McGee, C.L., Delis, D.C., Holdnack, J.A. (2009). Cognitive discrepancies in children at the ends of the bell curve: A note of caution for clinical interpretation. <i>The Clinical Neuropsychologist</i> 23:1160-1172.</p> <p>Parmenter, B.A., Zivadinov, R., Kerenyi, L., Gavett, R., Weinstock-Guttman, B., Dwyer, M.G., Garg, N., Munschauer, F., and Benedict, R.H.B. (2007) Validity of the Wisconsin Card Sorting and Delis-Kaplan Executive Function System (D-KEFS) Sorting Tests in multiple sclerosis. <i>Journal of Clinical and Experimental Neuropsychology</i> 29 (2): 215-223</p> <p>Sprouse, C., King, J., Helman, G., Pacheco-Colon, I., Shattuck, K., Breeden, A. Seltzer, R., VanMeter, J.W., Gropman, A.L. (2014). Investigating neurological deficits in carriers and affected patients with ornithine transcarbamylase deficiency. <i>Molecular Genetics and Metabolism</i>. YMGME-05755</p> |